

APPENDIX F
HYDROLOGICAL EFFECTS
TABLES

BOISED SEDIMENT YIELD MODEL RESULTS

Watershed Number	Watershed Name	Alterna- tive	Percent over natural sediment yield (%ON)										
			5 years					10 years					
			1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
5/6/7 Field HUC													
170602100204/05	Boulder Creek	A	6.7%	6.5%	6.4%	6.2%	6.2%	6.1%	6.1%	6.1%	6.1%	6.1%	6.1%
		B/D	6.7%	6.5%	6.4%	6.2%	11.7%	7.3%	6.3%	6.1%	6.1%	6.1%	6.1%
		C	6.7%	6.5%	6.4%	6.2%	11.7%	7.3%	6.3%	6.1%	6.1%	6.1%	6.1%
		E	6.7%	6.5%	6.4%	6.2%	9.3%	6.8%	6.2%	6.1%	6.1%	6.1%	6.1%
17060210010200	Indian Creek	A	19.6%	19.6%	19.6%	19.6%	19.6%	19.6%	19.6%	19.6%	19.6%	19.6%	19.6%
		B/D	19.6%	36.0%	23.2%	20.3%	19.7%	19.6%	19.6%	19.6%	19.6%	19.6%	19.6%
		C	19.6%	36.0%	23.2%	20.3%	19.7%	19.6%	19.6%	19.6%	19.6%	19.6%	19.6%
		E	19.6%	36.0%	23.2%	20.3%	19.7%	19.6%	19.6%	19.6%	19.6%	19.6%	19.6%
17060210010300	Lockwood Creek	A	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%
		B/D	3.0%	75.6%	18.8%	6.3%	3.7%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%
		C	3.0%	75.6%	18.8%	6.3%	3.7%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%
		E	3.0%	75.6%	18.8%	6.3%	3.7%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%
17060210010300	Fall Creek	A	8.0%	7.4%	7.2%	7.1%	6.9%	6.9%	6.7%	6.6%	6.6%	6.6%	6.4%
		B/D	8.0%	7.4%	7.2%	46.2%	15.4%	8.7%	7.1%	6.6%	6.6%	6.6%	6.4%
		C	8.0%	7.4%	7.2%	46.2%	15.4%	8.7%	7.1%	6.6%	6.6%	6.6%	6.4%
		E	8.0%	7.4%	7.2%	46.2%	15.4%	8.7%	7.1%	6.6%	6.6%	6.6%	6.4%

17060210010300	Camp Creek	A	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
		B/D	0.0%	0.0%	0.0%	18.9%	4.1%	0.9%	0.2%	0.0%	0.0%	0.0%
		C	0.0%	0.0%	0.0%	18.9%	4.1%	0.9%	0.2%	0.0%	0.0%	0.0%
		E	0.0%	0.0%	0.0%	18.9%	4.1%	0.9%	0.2%	0.0%	0.0%	0.0%
170602091104/05	Partridge Creek	A	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
		B/D	0.0%	0.0%	0.0%	0.0%	0.0%	47.2%	10.3%	2.1%	0.4%	0.0%
		C	0.0%	0.0%	0.0%	0.0%	0.0%	47.2%	10.3%	2.1%	0.4%	0.0%
		E	0.0%	0.0%	0.0%	0.0%	0.0%	47.2%	10.3%	2.1%	0.4%	0.0%
170602091103	Elkhorn Creek	A	18.2%	17.3%	16.8%	16.5%	16.5%	16.5%	16.4%	16.4%	16.4%	16.3%
		B/D	18.2%	17.3%	16.8%	16.5%	16.5%	72.9%	28.7%	19.0%	16.9%	16.3%
		C	18.2%	17.3%	16.8%	16.5%	16.5%	72.9%	28.7%	19.0%	16.9%	16.3%
		E	18.2%	17.3%	16.8%	16.5%	16.5%	60.8%	26.1%	18.4%	16.8%	16.3%
1706020912	French Creek	A	14.9%	14.3%	14.2%	14.2%	14.0%	14.0%	14.0%	14.0%	14.0%	14.0%
		B/D	14.9%	14.3%	14.2%	14.2%	14.0%	21.1%	15.5%	14.3%	14.1%	14.0%
		C	14.9%	14.3%	14.2%	14.2%	14.0%	21.1%	15.5%	14.3%	14.1%	14.0%
		E	14.9%	14.3%	14.2%	14.2%	14.0%	20.3%	15.4%	14.3%	14.0%	14.0%
170602070103	Carey Creek	A	25.8%	25.2%	24.7%	24.5%	24.4%	24.3%	24.3%	24.3%	24.2%	24.2%
		B/D	25.8%	74.7%	35.5%	26.7%	24.9%	24.3%	24.3%	24.3%	24.2%	24.2%
		C	25.8%	74.3%	35.4%	26.7%	24.9%	24.3%	24.3%	24.3%	24.2%	24.2%
		E	25.8%	55.0%	31.2%	25.8%	24.7%	24.3%	24.3%	24.3%	24.2%	24.2%
170602070306/07	California Creek	A	0.8%	1.2%	1.2%	1.2%	1.2%	1.2%	1.2%	1.2%	1.2%	1.2%
		B/D	0.8%	1.2%	40.2%	9.7%	3.0%	1.6%	1.2%	1.2%	1.2%	1.2%
		C	0.8%	1.2%	30.0%	7.5%	2.6%	1.5%	1.2%	1.2%	1.2%	1.2%

			E	0.8%	1.2%	40.2%	1.2%	1.2%	1.2%	1.2%	1.2%	1.2%	1.2%
17060207030200	Poly Creek	A	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
		B/D	0.0%	0.0%	0.0%	19.7%	4.3%	0.9%	0.2%	0.0%	0.0%	0.0%	0.0%
		C	0.0%	0.0%	0.0%	3.0%	0.7%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%
		E	0.0%	0.0%	0.0%	19.7%	4.3%	0.9%	0.2%	0.0%	0.0%	0.0%	0.0%
17060207030400	Rabbit Creek	A	0.4%	0.4%	0.4%	0.4%	0.4%	0.4%	0.4%	0.4%	0.4%	0.4%	0.4%
		B/D	0.4%	0.4%	0.4%	55.8%	12.5%	2.9%	0.9%	0.4%	0.4%	0.4%	0.4%
		C	0.4%	0.4%	0.4%	13.0%	3.2%	1.0%	0.5%	0.4%	0.4%	0.4%	0.4%
		E	0.4%	0.4%	0.4%	55.8%	12.5%	2.9%	0.9%	0.4%	0.4%	0.4%	0.4%
17060207030400	Rugged Creek	A	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
		B/D	0.0%	0.0%	0.0%	75.5%	16.5%	3.4%	0.7%	0.0%	0.0%	0.0%	0.0%
		C	0.0%	0.0%	0.0%	75.5%	16.5%	3.4%	0.7%	0.0%	0.0%	0.0%	0.0%
		E	0.0%	0.0%	0.0%	75.5%	16.5%	3.4%	0.7%	0.0%	0.0%	0.0%	0.0%
17060207030400	Cottontail Creek	A	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
		B/D	0.0%	0.0%	0.0%	44.6%	9.8%	2.1%	0.4%	0.0%	0.0%	0.0%	0.0%
		C	0.0%	0.0%	0.0%	28.5%	6.2%	1.3%	0.3%	0.0%	0.0%	0.0%	0.0%
		E	0.0%	0.0%	0.0%	44.6%	9.8%	2.1%	0.4%	0.0%	0.0%	0.0%	0.0%
170602070610	Fivemile Creek	A	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
		B/D	0.0%	0.0%	12.6%	2.7%	0.6%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%
		C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
		E	0.0%	0.0%	12.6%	2.7%	0.6%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%
17060207060100	Little Fivemile Creek A		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
		B/D	0.0%	0.0%	37.8%	8.3%	1.7%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%

		C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
		B	0.0%	0.0%	37.8%	8.3%	1.7%	0.3%	0.0%	0.0%	0.0%	0.0%
170602070609	Lemhi Creek	A	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
		B/D	0.0%	0.0%	0.0%	57.2%	12.5%	2.6%	0.5%	0.0%	0.0%	0.0%
		C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
		E	0.0%	0.0%	0.0%	57.2%	12.5%	2.6%	0.5%	0.0%	0.0%	0.0%
170602070608	Trout Creek	A	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
		B/D	0.0%	62.0%	13.5%	2.8%	0.6%	0.0%	0.0%	0.0%	0.0%	0.0%
		C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
		E	0.0%	62.0%	13.5%	2.8%	0.6%	0.0%	0.0%	0.0%	0.0%	0.0%
17060207060500	Little Trout Creek	A	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
		B/D	0.0%	127.1%	27.7%	5.8%	1.2%	0.0%	0.0%	0.0%	0.0%	0.0%
		C	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
		E	0.0%	127.1%	27.7%	5.8%	1.2%	0.0%	0.0%	0.0%	0.0%	0.0%

WATER YIELD ANALYSIS (ECA)

WATERSHED NAME	WS ac	EXISTING CONDITION			ALTB/D			ALT C			ALT E		
		ECA ac	RD ac	ECA	ECA ac	RD ac	TOT ECA	ECA ac	RD ac	TOT ECA	ECA ac	RD ac	TOT ECA
Lower Boulder	14003	1417.1	177.3	11.4%	0	0.00	11.4%	0.00	0.00	11.4%	0.00	0.00	11.4%
Upper Boulder	11100	1765.5	277.8	18.4%	199.3	0.00	20.2%	199.30	0.00	20.2%	114.00	0.00	19.4%
Boulder Total	25103	3182.63	455.1	14.5%	199.3	0	15.3%	199.3	0	15.3%	114	0	14.9%
Indian Creek	1734	0.0	38.9	2.2%	2.6	0.00	2.4%	2.60	0.00	2.4%	2.60	0.00	2.4%
Lockwood Creek	1924	0.0	1.2	0.1%	59.2	0.00	3.1%	59.20	0.00	3.1%	59.20	0.00	3.1%
Fall Creek	2474	0.0	10.5	0.4%	143.4	0.00	6.2%	143.40	0.00	6.2%	143.40	0.00	6.2%
Camp Creek	796	0.0	0.0	0.0%	17.2	0.00	2.2%	17.20	0.00	2.2%	17.20	0.00	2.2%
Partridge Creek	16809	0.0	0.0	0.0%	211.4	0.00	1.3%	211.40	0.00	1.3%	211.40	0.00	1.3%
Elkhorn Creek	14178	4604	106.5	33.2%	313.5	0.00	35.4%	313.50	0.00	35.4%	100.15	0.00	33.9%
Lower French	13523	2006.3	109.3	15.6%	155.5	0.00	16.8%	155.50	0.00	16.8%	115.90	0.00	16.5%
Middle French	7845	1868.0	2.0	23.8%	0	0.00	23.8%	0.00	0.00	23.8%	0.00	0.00	23.8%
Little French	12599	5054.3	31.3	40.4%	0	0.00	40.4%	0.00	0.00	40.4%	0.00	0.00	40.4%
Upper French	5404	740.0	0.0	13.7%	0	0.00	13.7%	0.00	0.00	13.7%	0.00	0.00	13.7%
Klip Creek	5943	0.0	0.0	0.0%	0	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

Jackson Creek	4325	4.0	12.9	0.4%	0	0.00	0.4%	0.00	0.00	0.4%	0.00	0.00	0.4%
French Total	49639	9672.6	155.5	19.8%	155.5	0	20.1%	155.5	0	20.1%	115.9	0	20.0%
Carey Creek	6016	780.4	60.9	14.0%	116.4	0.00	15.9%	116.40	0.00	15.9%	64.50	0.00	15.1%
California Creek	16089	721.3	40.7	4.7%	147	0.00	5.6%	147.00	0.00	5.6%	147.00	0.00	5.6%
Maxwell Creek	6548	89.9	29.7	1.8%	11	0	2.0%	11.00	0.00	2.0%	11.00	0.00	2.0%
California Total	22637	811.2	70.4	3.9%	158	0	4.6%	158.00	0.00	4.6%	158.00	0.00	4.6%
Poly Creek	2320	0.0	0.0	0.0%	5.5	0.00	0.2%	0.40	0.00	0.0%	5.50	0.00	0.2%
Rabbit Creek	5593	0.0	0.0	0.0%	49.5	0.00	0.9%	23.50	0.00	0.4%	49.50	0.00	0.9%
Rugged Creek	1855	0.0	0.0	0.0%	30.4	0.00	1.6%	22.20	0.00	1.2%	30.40	0.00	1.6%
Cottontail Creek	4238	0.0	0.0	0.0%	40.5	0.00	1.0%	38.50	0.00	0.9%	40.50	0.00	1.0%
Fivemile Creek	18111	0.0	0.0	0.0%	24	0.00	0.1%	0.00	0.00	0.0%	24.00	0.00	0.1%
Little Fivemile Creek	5618	0.0	0.0	0.0%	55.4	0.00	1.0%	0.00	0.00	0.0%	55.40	0.00	1.0%
Lemhi Creek	8886	0.0	0.0	0.0%	127.8	0.00	1.4%	0.00	0.00	0.0%	127.80	0.00	1.4%
Trout Creek	8059	0.0	0.0	0.0%	142.6	0.00	1.8%	0.00	0.00	0.0%	142.60	0.00	1.8%
Little Trout Creek	1940	0.0	0.0	0.0%	108	0.00	5.6%	0.00	0.29	0.0%	108.00	0.00	5.6%

EFFECTS SUMMARY TABLE FOR THE PAYETTE AND THE NEZ PERCE FORESTS

Watershed Name	Watershed Acres	Alt A			Alt B/D		Alt C		Alt E		Effect Rating Action Alt.		
					ECA %	% Over Nat Sed	Road Density mi/mi ²	ECA %	% Over Nat SED	EC-A %	% Over Nat SED	ECA %	% Over Nat SED
Robbins Creek	3239	12	6	2.75	14	52	14	52	-	-	-	A,B,C,D	E
Kelly Creek	5241	9	7	3.55	10	52	10	52	-	-	-	A,B,C,D	E
Van Creek	2654	11	2	2.22	12	41	12	41	-	-	-	A,B,C,D	E
Smith Creek	1117	<1	0	.23	1	26	1	26	-	-	-	A,B,C,D	E
Gasper Creek	1540	<1	0	.33	1	21	1	21	-	-	-	A,B,C,D	E
Allison Creek	7697	10	6	2.51	11	32	11	32	10	19	19	A,B,C,D	E
Sheep Gulch	995	0	0	0	<1	18	<1	18	<1	26	26	A,E	B,C,D
Wet Gulch	134	0	0	0	<1	27	<1	27	<1	27	27	A,B,C,D-,E	-
MF John Day	3795	6	4	2.33	7	28	7	28	8	13	13	A,B,C,D	E
EF John Day Creek	3624	20	6	3.37	22	50	22	50	20	27	27	A,B,C,D	E
SF John Day Creek	2503	0	0	0	2	26	2	26	2	25	25	A,B,C,D-E	-
Bear Gulch	1704	11	2	7.40	12	30	12	30	11	10	10	A,B,C,D	E
No Business Creek	1279	3	0	.30	5	51	5	51	5	51	51	A,B,C,D-E	-
Lower Main Slate Creek	6088	3	4	1.57	4	10	4	10	3	5	5	A,B,C,D	E
Little Van Buren Creek	3612	8	2	2.46	10	51	10	51	10	48	48	A,B,C,D	E
Sherwin Creek	3726	5	1	3.22	6	70	6	70	-	-	-	A,B,C,D	-
China Creek	3070	11	1	3.46	12	57	12	57	-	-	-	A,B,C,D	-
Cow Creek	6947	12	3	4.46	13	44	13	44	-	-	-	A,B,C,D	-
Clark Creek	519	22	1	9.9	24	77	24	77	-	-	-	A,B,C,D	-
Elfers Creek	473	24	11	7.27	26	39	26	39	-	-	-	A,B,C,D	-
Christie Creek	2651	5	1	3.36	6	59	6	59	-	-	-	A,B,C,D	-
Rhett Creek	461	10	3	3.9	11	42	11	42	-	-	-	A,B,C,D	-
Kessler Creek	2210	13	1	3.5	13	47	13	47	12	30	30	A,B,C,D	E

SF Race Creek	4343	5.4	1	1.27	5	31	5	31	5	31	A,B,C,D-E	
WF Race Creek	6795	13	2	2.7	14	31	14	31	14	31	A,B,C,D-E	
Shingle Creek	7964	6	2	2.24	7	31	7	31	6	14	A,B,C,D	E
Squaw Creek	5236	5	2	1.76	6	17	6	17	6	14	A,B,C,D	E
Papoose Creek	3125	5	1	1.82	6	19	6	19	-	-	A,B,C,D	
Lower Big Mallard Creek	6672	5	3	.47	6	36	6	36	7	13 ?	A,B,C,D	E
Upper Boulder Creek	11100	18.4	7	3.3	20.	11.7	20	11.7	19	9.3	A,B,C,D	E
Elkhorn Creek	14178	33.2	18.2	1.0	35	73	35	73	34	61	A,B,C,D	E
Lower French Creek	13523	15.6	14.9	.3	17	21	17	21	17	20	A,B,C,D-E	
Carey Creek	6016	14.0	26	1.1	16	75	16	75	15	75	A,B,C,D-E	
Indian Creek	1734	2.2	19.6	3.6	2.4	36	2.4	36	2.4	36	A,B,C,D-E	
Little Trout Creek	1940	0.0	0.0	0.0	6	127	0	0	6	127	A,B,D,E	C

EFFECTS SUMMARY TABLE FOR THE SALMON - CHALLIS NATIONAL FOREST

Watershed Name	Acres	Road Density	Meets Forest Plan for % Depth Fines Y or N	Existing percent of Stands <30 years in watershed	Alt B/D Acres increase in Stands < 30 years in watershed	Alt C Acre increase in Stands <30 years in watershed	Alt E Acres Increase in Stands < 30 years in watershed	Alternative Most Effect	Alternative Least Effect
Clear Creek/Garden Creek	18,600 7,900	0.0	Y	<1	190=<1%	190=<1%	B,C,D,E		
Hot Springs/Gant Creeks	27,000	N/A	Y	N/A	62=<1%	62=<1%	89=<1%	B,C,D	E
Colson Long Tom Shell/Lake Creeks	6,842 11,727	1.5	Y - Colson N - Long Tom Shell lake N/A	1.3	Composite Total 153=<1	Composite Total 153=<1			
Corn/Fountain Watersheds	19,611	0.16	Y	6.0	156 < 1	156 < 1	-	B, C, D	
Indian Creek	27,755	5	Y except for low Mon Sta 1994,1995	5.00	<1	<1	-	B, C, D	
Owl Creek	34,240	0.4	N - Mon Stations on Main Owl Cr.	49	25 < 1	25 < 1	-	B, C, D	
Pine Creek	29,044	0.6	Y	3.5	173 = < 1	173 = < 1	< 1	B, C, D	
Spring creek	15,452	1.7	Y	11.7	65 = < 1	65 = < 1	-	-	